

IN THE CLAIMS:

1. (Currently Amended) A package (1) for the storage of at least two substances in separate chambers, comprising:

a first chamber (3), which contains a flowable first substance (5), and a second chamber (7), wherein

the first chamber (3) and the second chamber (7) are in each case formed from portions, sealed to one another in liquid tight manner, of a base film (11) and a cover film (13),

the cover film (13) is a composite film comprising a first barrier foil (21) of a metallic material and a first sealing layer (19) formed of at least one polyolefin, the base film (11) is a composite film comprising a second barrier foil (29) of a metallic material, wherein the metallic material of the second barrier foil (29) is softer than that of the first barrier foil (21),

in a zone (15) connecting the first chamber (3) and the second chamber (7), the base film (11) and the cover film (13) are sealed to one another in such a manner that, by exerting external pressure on the first chamber (3), (a) the sealed joint between the films (11, 13) may break selectively in the stated zone (15), (b) a passage channel (25) may form between the first and the second chambers and (c) the first substance (5) may be transferred from the first into the second chamber, and

optionally the cover film (13) has a material weakening in a zone (17) associated with the second chamber (7), such that it is more readily pierceable in this zone than in adjacent zones without material weakening.

2. (Currently Amended) A package according to claim 1, wherein characterised in that the cover film (13) comprises a first sealing layer (19), the base film (11) comprises a second sealing layer (27) formed of at least one polyolefin and having a thickness of preferably 40 µm to 140 µm, more preferably 40 µm to 80 µm, and most preferably of approximately 60 µm, and the second sealing layer (27) being sealed to is thicker than the first sealing layer (19) and is sealed thereto.

3. (Currently Amended) A package according to claim 1, characterised in that a reinforced weld seam is placed in the zone of a the common rim around the chambers (3, 7).

4. (Previously Presented) A package according to claim 1, characterised in that a single weld seam is placed in the zone connecting the first chamber (3) and the second chamber (7).

5. (Previously Presented) A package according to claim 1, characterised in that the cover film (13) comprises a stabilising film (23).

6. (Currently Amended) A package according to claim 1, characterised in that the optionally present material weakening of the cover film (13) is based on at least one or more of the following measures:

- a reduced thickness of the cover film (13) in the zone associated with the second chamber (7) in comparison with adjacent zones of the cover film,
- a development of the cover film as a composite film according to claim 5, wherein a stabilising film (23) is provided which has a recess in the zone associated with the second chamber, or
- an embossed area or a score in the cover film in the zone associated with the second chamber.

7. (Previously Presented) A package according to claim 1, characterised in that the seal between the base film (11) and the cover film (13) is weakened in the zone (15) connecting the first chamber (3) and the second chamber (7).

8. (Currently Amended) A package according to claim 7, characterised in that the seal between the base film (11) and the cover film (13) is weakened in the zone connecting the first chamber and the second chamber on the basis of at least one or more of the following measures:

- arrangement of foreign particles, preferably stamped out particles of peel film, in the weakened seal zone,
- application prior to production of the seal of a substance which impairs sealing of the base film and cover film onto the base and/or cover film in the zone to be weakened,
- production of the seal by welding the base film and cover film, wherein in the zone connecting the first chamber and the second chamber the welding temperature and/or welding pressure and/or welding time differ from that/those in adjacent zones, or
- provision of different seal geometries in (a) the zone connecting the first chamber and

the second chamber and (b) adjacent zones.

9. (Previously Presented) A package according to claim 1, characterised in that the base film (11) comprises an outer film (31).

10. (Previously Presented) A package according to claim 1, characterised in that the base film (11) has a standing area which is opposite the zone of the cover film (13) which has a material weakening and is designed such that the package may be set down on a horizontal surface after or during piercing of the weakened zone (17) without a flowable substance being able to escape from the second chamber (7) into the surrounding environment.

11. (Previously Presented) A package according to claim 1, characterised in that it comprises two or more units (81) with a first and a second chamber.

12. (Previously Presented) A process for the production of a directly applicable mixture of two substances with the following steps:

- provision of a package (1) according to claim 1, wherein the second chamber (7) contains a second substance (9),
- exerting an external pressure on the first chamber (3), such that (a) the sealed joint between the films (11, 13) is selectively broken in said zone, (b) a passage channel (25) is formed between the first and the second chambers and (c) the first substance (5) is transferred from the first into the second chamber and is brought into contact with the second substance,
- piercing the cover film (13) in the zone (17) associated with the second chamber (7), which zone has a material weakening,
- mixing of the first and the second substances before or after piercing of the cover film (13),
- dispensing the mixture of the first and second substances from the second chamber (7).